

MILITARY SPECIFICATION

CONNECTORS, PLUG, ELECTRICAL, WATERPROOF
(CATHEDRAL SHAPE, SHELL SIZE 26,
MALE INSERTS)

This specification has been approved by the Department of Defense and is mandatory for use by the Departments of the Army, the Navy, and the Air Force.

1. SCOPE

1.1 Scope. This specification covers the detail requirements for the following types of field-serviceable, shell-size 26, cathedral-shape, waterproof, electrical-plug connectors with male inserts:

UW1326MC19
 UW1326MC21
 UW1326MC23
 UW1326MC25
 UW1326MD25
 UW1326MD27
 UW1326MD29
 UW1326MD31
 UW1326MD33
 UW1326ME25

UW1326ME27
 UW1326ME29
 UW1326ME31
 UW1326ME33
 UW1326MF25¹
 UW1326MF27¹
 UW1326MF29¹
 UW1326MF31¹
 UW1326MF33¹
 UW1326MG25
 UW1326MG27
 UW1326MG29
 UW1326MG31
 UW1326MG33

¹ Do not use for new design.

1.2 Ratings. Connectors covered by this specification shall have the electrical ratings specified in table I.

TABLE I. *Electrical ratings*

Connector type	Limiting operating voltage (sea level)		Nominal current
	Ac	Dc	Amperes
UW1326MC19 to UW1326MC25, incl	900	1,250	22
UW1326MD25 to UW1326MD33, incl	500	700	22
UW1326ME25 to UW1326ME33, incl	500	700	11
UW1326MF25 to UW1326MF33, incl	500	700	11
UW1326MG25 to UW1326MG33, incl	900	1,250	73

2. APPLICABLE DOCUMENTS

2.1 The following specifications, of the issue in effect on date of invitation for bids, form a part of this specification:

SPECIFICATIONS

MILITARY

MIL-C-12520 — Connectors, Plug and Receptacle (Electrical, Waterproof); and Accessories); General Specification for.

MIL-C-12520/11 — Connectors, Receptacle, Electrical, Waterproof (Shell Size 26, Female Inserts).

(Copies of specifications required by contractors in connection with specific procurement functions should be obtained from the procuring agency or as directed by the contracting officer.)

3. REQUIREMENTS

3.1 **Requirements.** Requirements shall be in accordance with Specification MIL-C-12520, and as specified herein.

3.2 **Design and construction.** Connectors shall be of the design, construction, and physical dimensions specified on figure 1.

3.2.1 **Assembly.** Connectors shall be capable of being disassembled to allow access to the contact terminals without the use of special tools.

3.3 **Marking.** Marking shall be in accordance with Specification MIL-C-12520, except that connectors shall be marked with letters approximately $\frac{1}{8}$ inch high.

4. QUALITY ASSURANCE PROVISIONS

4.1 **Sampling and inspection.** Sampling and inspection shall be in accordance with Specification MIL-C-12520, and as specified herein.

4.2 **Test and mating receptacles.** The test and mating receptacles shall be in accordance with the applicable type covered by Specification MIL-C-12520/11.

4.3 **Dielectric withstanding voltage.** Connectors with insert-arrangements C and G shall be subjected to a test potential of 2,800 volts root mean square (rms). Connectors with insert-arrangements D, E, and F shall be subjected to a test potential of 2,000 volts rms.

5. PREPARATION FOR DELIVERY

5.1 Preparation for delivery shall be in accordance with Specification MIL-C-12520.

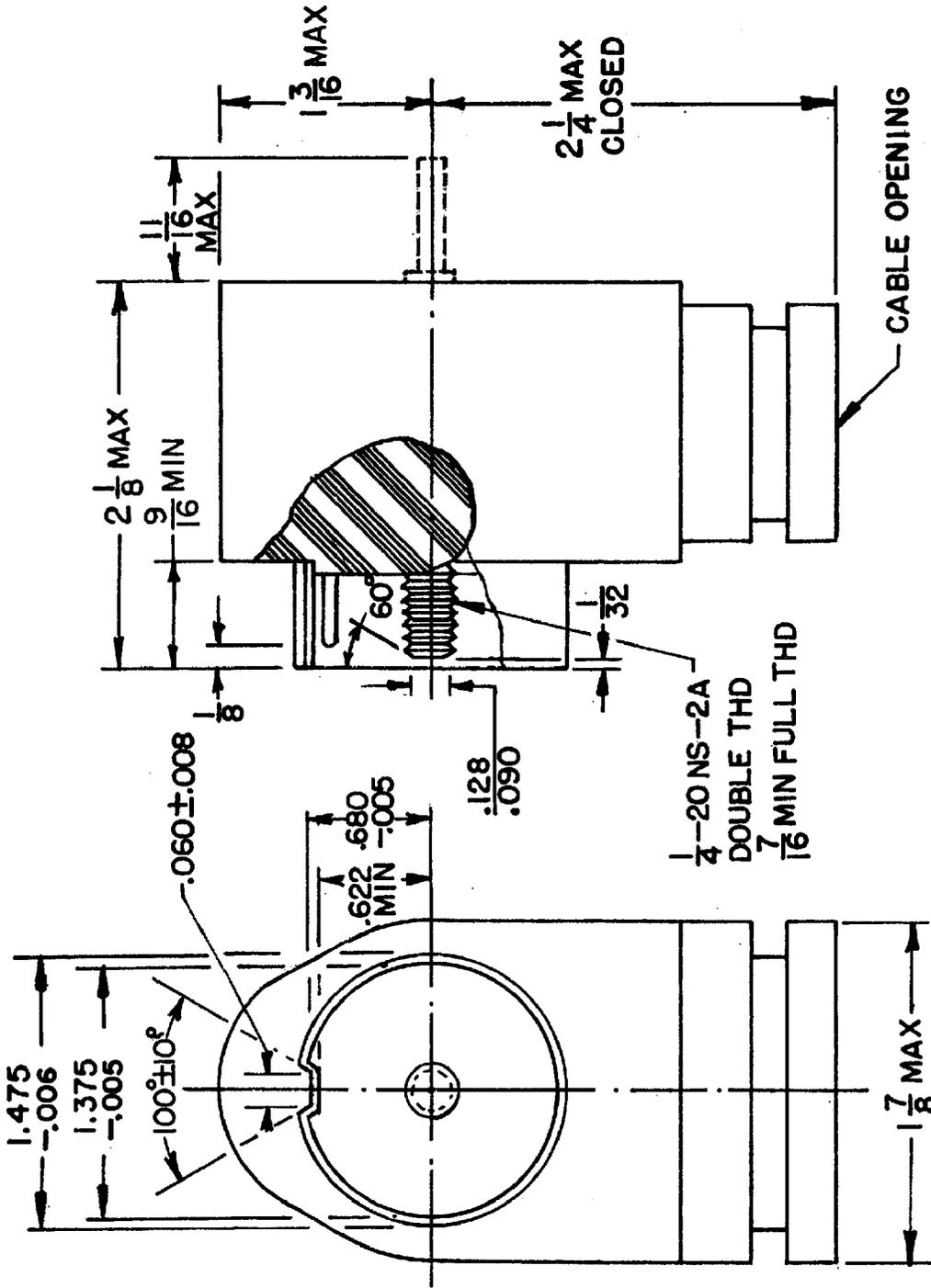
6: NOTES

6.1 **Notes.** In addition to the notes specified herein, the notes specified in Specification MIL-C-12520 are applicable to this specification.

6.2 **Intended use.** Connectors covered by this specification are intended for use where field-serviceable, waterproof, electrical connectors are required.

6.2.1 **Mating receptacle connectors.** Mating receptacle connectors are in accordance with Specification MIL-C-12520/11.

6.2.2 **Cover and chain assemblies.** Cover and chain assemblies are in accordance with style 1N of Specification MIL-C-12520/13 "Cover and Chain Assemblies (Internal Threads, for Use on Waterproof Connectors)".



1. All dimensions in inches.

2. Unless otherwise specified, tolerances are ± 1/64 on fractions and ± 2° on angles.

FIGURE 1. Plug shell and male insert dimensions

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any rights or permission to manufacture, use, or sell any patented invention that may in any way be related thereto.

Custodians:

**Army—Signal Corps
Air Force**

Preparing activity:

Army—Signal Corps